Modeling A "No-Gap" Navy

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Gaps Currently Exist Between Inventory and Authorizations

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Today's Agenda

Background

General description of modeling methodology

Modeling of selected Navy communities

Conclusions and discussion

RAND Has A Body of Officer

Defense Officer Personnel Management Act of 1980 (1993)

http://www.rand.org/publications/R/R4246.pdf/

A Critical Assessment of Total Force Pilot Requirements (1994) DB-121

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Total Force Pilot Requirements and Management: An Executive Summary (1995) http://www.rand.org/publica

Differentiation in Military Human Resource Management (1997) MR-8380OSD

tions/MR/MR646/

New Opportunities for Military Women (1997) http://www.rand.org/pub lications/MR/MR896/

Characterizing the Future Defense Workforce (2001) http://www.rand.org/public ations/MR/MR1304/ Future Career
Management Systems for
U.S. Military Officers
(1994)
http://www.rand.org/public
ations/MR/MR470/

A Future Officer Career Management System: An Objectives Based Design (1997) (2001) http://www.rand.org/publication s/MR/MR788/

Consequences of Increased Tenure for General/Flag Officers (Apr 1997) (2001) http://www.rand.org/publications /MR/MR868/

Interagency and International Assignments and Officer Career Management (1999) http://www.rand.org/publications /MR/ MR1116/ Reevaluating The Joint Duty
Assignment List
(1995)
http://www.rand.org/publications/MR/

MR574/

Supporting Joint Duty Assignments (1995) http://www.rand.org/publications/MR/ MR593/

Identifying and Supporting Joint Duty
Assignments: Executive Summary
(1995)
http://www.rand.org/publications/MR/
MR622/

Officer Personnel Structures TF (2001)

External Requirements for Navy Officers (2001) MR-1472-NAVY

Future Navy Officer Force Profiles (2001) MR-1497-NAVY

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Background for Officer Studies

- Current officer management system designed to meet challenges of Cold War
- Policymakers concerned it may not meet different demands of future
 - How to attract and retain
 Congress directed 1993
 - study of Grade and skill requirements
 - Flows into, within, and out of the services
 - Turnover and stability
 - Career lengths
 - Promotion
 - Adequacy of grade tables

Officer
Personnel
Act
Defense
Officer
Personnel
Management
Limitation Act

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18001812

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1847

1865

1898

1918

19451953 1969

1986 1999

Officer

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General Methodology for Officer Studies

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Issues and Objectives

Objectives

Keep costs

reasonable

satisfaction

Provide career

Emphasize cadre

Meet experience

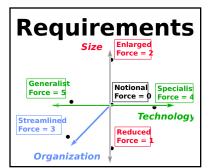
Meet skill needs

- Issues Grade and skill requirements
- · Flows into. ithin. and out of the services
- Turnover and stability
- Expected career lengths Timing and opptunity
- of promotions Adequacy of grade

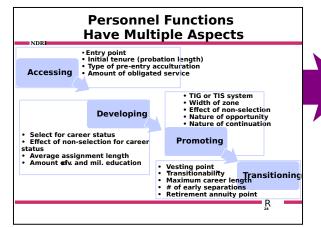


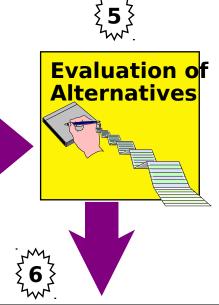














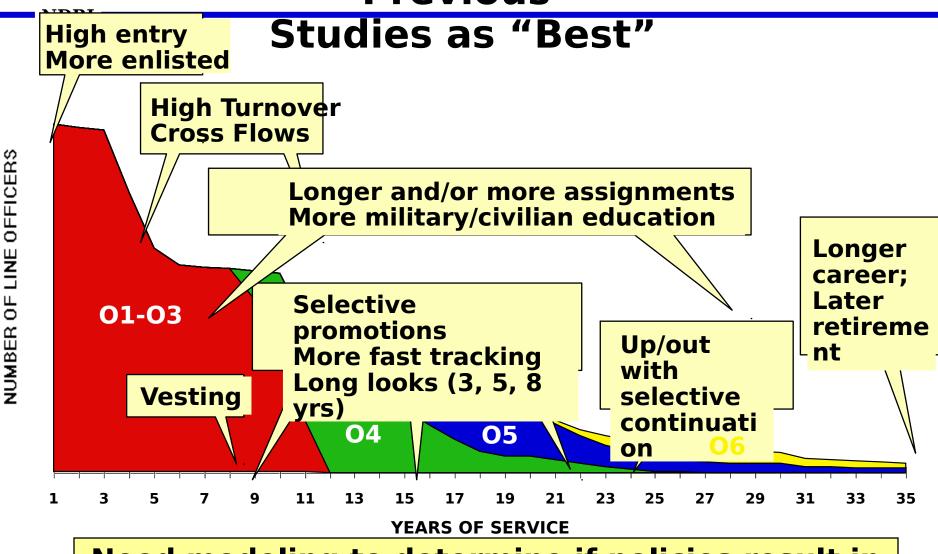


Model Results Conclusions Recommendations

Careers Need to Reflect External Environment

	Past	Future
Context	Large military Global conflict; threat known Single missions Large organizations; fixed hierarchies Advanced weapons Service focus	Smaller military Selective and flexible engagement; varied threats Multiple missions Smaller organizations; variable hierarchies Integration of weapons and processes
Careers	Standardized, short careers Uniform policy, equal outcomes across services, skills Broad, service development High turnover Emphasis on grades and promotions Interchangeable officers	Customized, longer careers Flexible policy, equitable outcomes across services, skills Deep, joint/service development High turnover early; stability later Emphasis on skills and experience Unique officers

Certain Policies Emerge from Previous



Need modeling to determine if policies result in coherent careers

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Modeling Future inventory

Existing systems dynamics model will characterize future Navy inventory

Given current management practices (e.g., promotion timing, accession rates) and legal/policy constraints (e.g., grade caps, promotion rates)

Determine impending gap between inventory and authorizations

Once likely future gap is determined, model can explore means to reduce gap

React to likely future requirements

Unconstrained by current legal/policy, management practices

Can provide multiple answers, based on policy input

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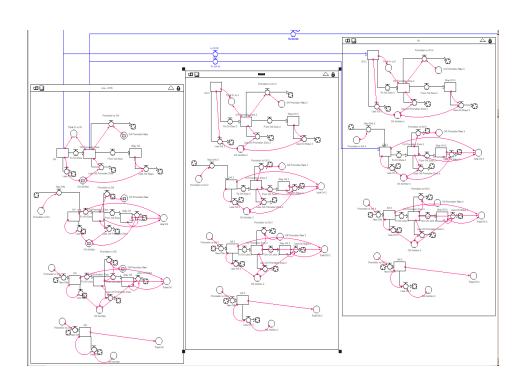
Model Reconciles Policy Choices

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Policy Choices

Accessions
Promotion timing
Promotion
opportunity
Time in grade
Career tenure
Continuation

Structure of Model



Surface Warfare Officers, 2010, In Steady-State

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Policies Applied

Inventory meets requirements

Longer service (O-5, O-6)

Changed promotion practice

Continuation consistent with vesting

Less up or out, selective continuation

Flow in/out of other communities

91 - 03

_/04

New O4

New O5

Outcomes

Fewer accessions

Earlier and later promotion

Higher promotion opportunity

Greater average experience

Other Possibilities/Tradeoffs

Earlier promotion to O-6 vs higher opportunity to O-6

Fast track to O-4: O-4 prom down, O-5 prom up

O-5 to 31 YOS vs promote everyone to O-5



Submariners

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01 - 03 to surface

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<u>Outcomes</u>

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Earlier promotion

Promotion to O-4: "Everyone and early"

Early promotion but lower opportunity to O-5 and O-6

O-5s and O-6s serve longer

Greater average experience

Other Possibilities/Tradeoffs

Keeping O-4s longer could ease mgmt of O-4s

Less tenure for O-5s means must promote more to O-5, means can't m O-4 without keeping them lo O-5 r New O6

Stmilar for 0-6s 06

Aviators

NDRI Policies Applied Outcomes Similar accessions **Inventory meets** requirements **Earlier promotion** Longer service (0-5, Lower promotion to O-4 and O-6 0-6)Higher promotion to O-5 **Changed promotion** practice O-5s and O-6s serve longer **Continuation** Less average experience 01 - 03consistent with vesting and required SVC **Other Possibilities/Tradeoffs** Less up or out, Promote to 0-4 and 0-6 later to selective increase opportunity continuation **Promoting to O-4 later means** F. New O4 o surface lower opportunity to O-5, higher to 0-6 Shorter tenure for O-5s would New O5 "omotion to O-5 **New 06** 06

Conclusio

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Policy studies point toward change

Change is a combination of decision, legislation, DoD and Service policy Management policies are dynamic

Tenure

Promotion opportunity

Promotion timing

Accessions

Continuation

Transition is hard

Resistance in decision process

Mechanics of dynamic system very complex

Cultural resistance; individual expectations and behaviors

Communities should be managed individually and to requirements - less uniformity

offs and Costs of Gaps Include Hard Costs (\$ Soft Costs

Hard costs include RMC, training costs

Soft costs inclinard CosSoft Costsivation, ret

Overmanned

Undermanned

Mis-ranked

Mis-skilled

Mis-skilled

Communities Have Different Grade Structures

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Current Surface Warfare Authorizations and Inventory, By Year Group

Number of Officers

Interest in Officer Management Policy Continues

DASD MPP RAND Personnel Management Seminars (1998-1999)

Defense Science Board Task Force on Strategic Human Resource Management (1999-2000)

Officer Personnel Structures Task Force (2000)

JCS Tank Briefs (2000-2001)

Navy Personnel Task Force (2000-2001)

Rumsfeld QOL Review (2001)

OSD Strategic Human Resource Plan

Surface Warfare Officers, 2010, In Steady-State

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Similar for O-6s

Aviators

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Outcomes

Similar accessions

Earlier promotion

Lower promotion to O-4 and O-6

Higher promotion to 0-5

O-5s and O-6s serve longer

Less average experience

Other Possibilities/Tradeoffs

Promote to O-4 and O-6 later to increase opportunity

Promoting to O-4 later means lower opportunity to O-5, higher to O-6

Shorter tenure for O-5s would increase promotion to O-5